

IMPROVED VACUUM PACKING MACHINE WITH INTERIOR SCALE

ABSTRACT OF THE DISCLOSURE

[001] A vacuum packer for filling valve bags employs a load cell-based scale mechanism located within the vacuum chamber. An interior packer front plate is supported from the back, inner wall of the chamber on four flexure spring check straps. The front plate is supported from a single load cell mounted on the back, interior wall of the vacuum chamber. Side bag retention plates, end retention plates and the lower bag support saddle are mounted to the packer front plate. A flexible connection is furnished between the back of the filling spout and the interior back wall of the vacuum chamber. All other required piping is made directly to the back wall of the chamber, thus removing them from the scale mechanism entirely.